

A close-up photograph showing a person's hands meticulously working on a cable connector. The hands are positioned to strip and arrange the internal wires of a cable. In the background, a large, neatly stacked coil of black cables is visible, suggesting a manufacturing or warehouse environment.

Broadcast Cables

> Manufacturing > Cable Drums > On-Site-Service > Certified

Cables by Broadcast Solutions

Broadcast Solutions GmbH is one of the largest system integrators in Europe. For more than 15 years, we offer innovation and engineering services „Made in Germany“ in the areas of OB Vans, SNGs and ENGs, satellite communications, broadcast facilities, MCRs, sports arena and venue multimedia solutions and mobile surveillance units – from planning to implementation.

Cable Manufacture in Germany

With offices in Europe, the Middle East and Asia, we serve customers worldwide. One brick of our success is cable assembly and cable service. For several years we have been operating a location in Cologne that specializes in cable manufacturing as well as repair and service. We are certified by world-leading cable and connector suppliers. Broadcast Solutions specialists manufacture cables by the meter or in combination with cable drums, connection panels, etc. Our portfolio covers a wide range of standard products, serving the most common applications in the broadcast industry.

- SMPTE 311
- Video Cable
- Audio Cable
- CAT 7 / MFO 26–23
- Network Cable
- Multicore Hybrid Cable (multiple fiber optic plus network, breakout, armoured, Simplex, etc.)
- TRIAX

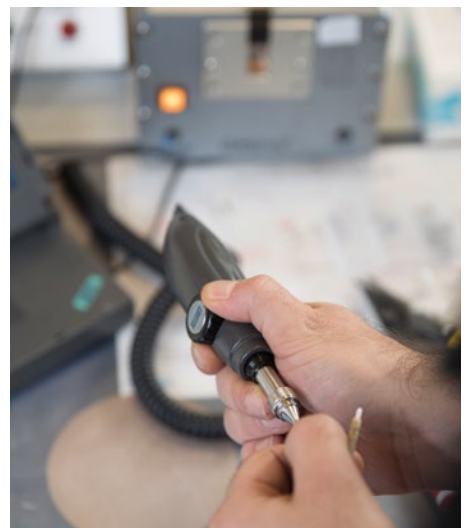
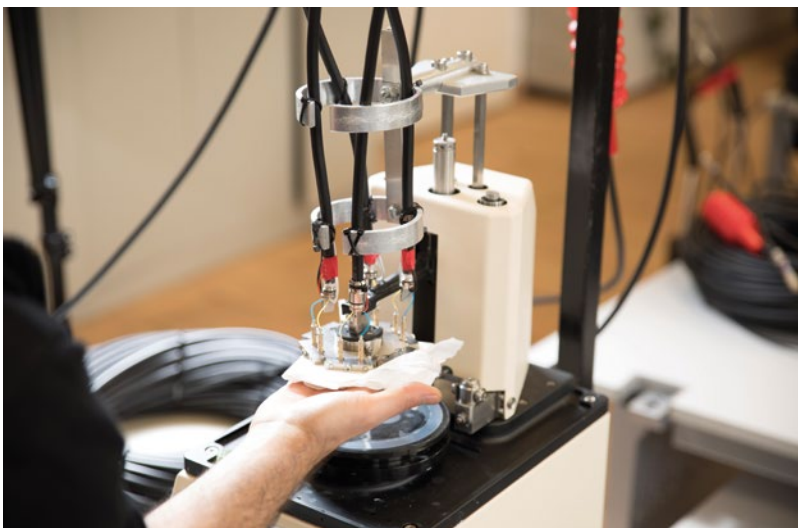
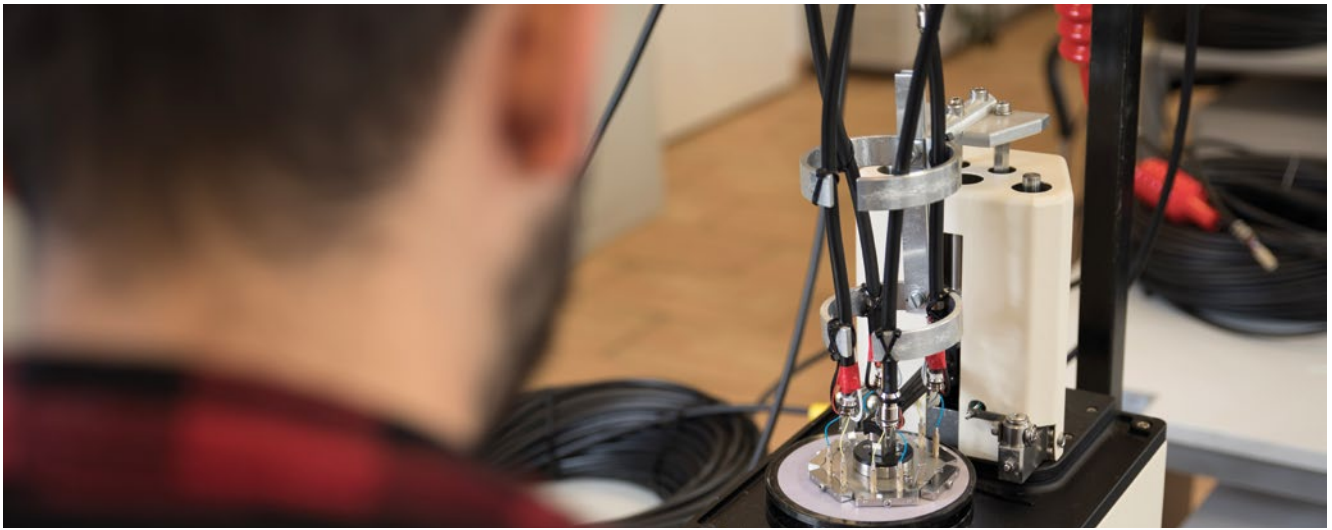
Additionally, we manufacture cables according to customer requirements: every conceivable variant, lengths and combinations as well as manually-stranded cables.

As a vendor-independent company, we only use the best cable brands and connectors from leading manufacturers (such as LEMO, Neutrik, Canare, Fischer, DGH, etc.).

We exclusively produce and repair in Germany. For our cables and cable drums we use only high-class components from leading German and European manufacturers, thus ensuring the highest reliability and longevity of our products. Further advantages of this are fast component availability and short delivery times of the finished cables.

By integrating our cable production into our system integration, we develop ancillary products for cables and patch panels. One example is the Broadcast Solutions cable drum, which is extremely lightweight and stackable through its design. Further on we manufacture standard and individual connection panels, equipped with different connector solutions and combinations.

 broadcast
cables





Service – fast and reliable

Another offer of our company is service and repair of cables and connectors – in-house or on-site at the customer. Our service department repairs all common cables and connectors, from fiber to copper and anything in-between.

Even during the construction phase of major projects, we are reliable partners to system integrators and general contractors to realize large-scale cabling deliveries for media technology, audio, video or network purposes.

We also perform last-minute repairs and service requests in the shortest possible time, thus enabling our customers to deliver in time. In the case of cable problems before or during live productions, we are on hand to ensure a timely replacement.



Prefabricated SMPTE cable 311 (on cable drum or cable ring)

Available with two different cable drum variants.

Our SMPTE 311 standard cable is equipped with LEMO push-pull connectors (FUW male / PUW female) for the simultaneous transmission of power, control signals, audio, video and sync signals. The high-quality LEMO connectors are protected with a gaiter against contamination and damage. The cable is equipped with a PUR outer sheath and is particularly suitable for mobile outdoor applications.

Item Number

Length	Cable ring	Cable drum	BS Cable drum
5 m	12019		
10 m	14961		
25 m	10953		
50 m	14487	14953	14487 + 17477
100 m	10836	14954	10836 + 17477
120 m	10464	19455	10464 + 17477
150 m	14962	14956	14962 + 17477
200 m	10674	12889	10674 + 17477
250 m	10673	14957	10673 + 17477
300 m	10672	14958	10672 + 17477

Connector Features

LEMO	
FUW/PUW	FUW 3K.93C / PUW 3K.93C with gaiter (yellow, red)
Standard	SMPTE standard 311M-1998
Working temperature	-55 °C to +90 °C
Suitable for cable diameter	9.2 mm
Material	Stainless steel / brass
Traction	1000 N

Cable Features

Number of fibers	2 x E9 / 125µm (single-mode fibers) 2 x AWG24 (control line) 4 x AWG20 (power supply)
Outer diameter	9.2 mm
Sheath colour	Black
Sheath material	PUR
Minimum bending radius	65 mm
Traction	800 N
Working temperature	-40 °C to +70 °C
Weight (300 m with standard cable drum)	43.5 kg
Weight (300 m with BS cable drum)	50 kg



Connector Panels

1-3 RU connector panels equipped with XLR or mixing sockets



Measures	19", 1-3 HE
Material	Steel, powder-coated
Colour	Black

Item Number

19" 1HE with 16 x XLR male / female	IV2255
19" 1HE with 20 x BNC	IV2256
19" 2HE with 10 x LEMO built-in plug male / female	7828
19" 2HE with 8 x LEMO built-in plug male / female	6496



CAT 7A / MFO 26

100 meter CAT cable on cable drum IT 266 RM

Item Number: 12896

Connector	RJ 45
	Male / Female
Standard	CAT 7A Doth pro flux
Working temperature	-40°C to +70°C
Colour	Black
Weight (100 m with cable drum)	60 kg



Video Multicore 0.6 / 2.8

60 meter 7-way video cable on cable drum HT 480 RM



Item Number: 15788

Connector	Neutrik BNC
	Male / Female
Standard	0.6 / 2.8
Working temperature	-40°C to +70°C
Colour	Black
Weight (60 m with cable drum)	24 kg

Video Cable 1.0 / 4.6

100 meter video cable on cable drum IT 266 RM

Item Number: 13962

Connector	Neutrik BNC
	Male / Female
Standard	1.0 / 4.6
Working temperature	-40 °C to + 70 °C
Colour	Black



Microphone Cable 2 x 0.22

100 meter microphone cable on cable drum IT 266 RM



Item Number: 12894

Connector	XLR 3-Pole
	Male / Female
Standard	2 x 0.22
Working temperature	-40 °C to + 70 °C
Colour	Black

Audio Cable 8 x 2 x 0.14

100 meter audio cable on cable drum HT 380 M

Item Number: 12893

Connector	26-Pole
	Male / Female
Standard	8 x 2 x 0.14
Working temperature	-40°C to + 70°C
Colour	Black
Weight (60 m with cable drum)	55 kg



TRIAX 8 / 11 (cable drum or cable ring)

**Triaxial camera cable with 8 or 11 mm diameter.
Available with outer sheath PUR or PVC red.**

Connector	Fischer push-pull with elastomer protective cover
	Male / Female
Working temperature	-40°C to +70°C
Colour	Red, black on request
Diameter	8.4 mm / 11.0 mm



TRIAX 8 PUR Red

Item Number

Length	Cable ring	Cable drum	BS Cable drum
5 m	16674		
10 m	16675		
25 m	16676		
50 m	16677	13839	16677 + 17477
100 m	16679	16714	16679 + 17477
120 m	16681	16715	16681 + 17477
150 m	16683	16716	16683 + 17477
200 m	16685	16717	16685 + 17477
250 m	16687	16718	16687 + 17477
300 m	16689	16719	16689 + 17477

TRIAX 8 PVC Red

Item Number

Length	Cable ring	Cable drum	BS Cable drum
5 m	16694		
10 m	16695		
25 m	16696		
50 m	16698	16732	16698 + 17477
100 m	16700	16733	16700 + 17477
120 m	16703	16734	16703 + 17477
150 m	16704	16735	16704 + 17477
200 m	16706	16736	16706 + 17477
250 m	16709	16737	16709 + 17477
300 m	16712	16738	16712 + 17477

TRIAX 11 PUR Red**Item Number**

Length	Cable ring	Cable drum	BS Cable drum
5 m	16678		
10 m	16680		
25 m	16682		
50 m	16684	16725	16684 + 17477
100 m	16686	16726	16686 + 17477
120 m	16688	16727	16688 + 17477
150 m	16690	16728	16690 + 17477
200 m	16691	16729	16691 + 17477
250 m	16692	16730	16692 + 17477
300 m	16693	16731	16693 + 17477

TRIAX 11 PVC Red**Item Number**

Length	Cable ring	Cable drum	BS Cable drum
5 m	16697		
10 m	16699		
25 m	16701		
50 m	16702	16740	16702 + 17477
100 m	16705	16741	16705 + 17477
120 m	16707	16742	16707 + 17477
150 m	16708	16743	16708 + 17477
200 m	16710	16744	16710 + 17477
250 m	16711	16121	16711 + 17477
300 m	16713	16745	16713 + 17477



Broadcast Solutions GmbH

Alfred-Nobel-Straße 5 / 55411 Bingen am Rhein / Germany

Phone: +49 (0) 6721 4008 0 / Fax +49 (0) 6721 4008 27

info@broadcast-solutions.de / www.broadcast-solutions.de